

Multi-Channels Regulated DC Power



FEATURES:

- 2 Adjustable Channels Output (PSM 2 Series)
- 3 Adjustable Channels Output (PSM 3 Series)
- 4 Adjustable Channels Output (PSM 4 Series)
- 0 ~ 30V Linear Voltage Adjustment
- 4 Sets of LED for Voltage and Current Output Display
- Low Noise and Ripple; Less than 1mV (5Hz ~ 1MHz)
- Voltage and Current Pre-set Feature
- CV/CC Mode Automatic Change
- Auto Tracking Output
- Auto Parallel or Series connection
- Doubling Current with Series Connection
- Doubling Voltage with Parallel Connection
- 16 Hours Continuous Operation with Full Loading
- Rugged Metal Cabinet

GERNERAL SPECIFICATION:

Model	Number of Channels	CHANNEL OUTPUT							
		CH 1		CH 2		CH 3		CH 4	
		Voltage	Current	Voltage	Current	Voltage	Current	Voltage	Current
PSM 2/2A	2	0 ~ 30V	2A	0 ~ 30V	2A	N/A			
PSM 2/3A	2		3A		3A				
PSM 2/5A	2		5A		5A				
PSM 3/2A	3	0 ~ 30V	2A	0 ~ 30V	2A	5V	1 ~ 3A	N/A	
PSM 3/3A	3		3A		3A				
PSM 3/5A	3		5A		5A				
PSM 4/2A	4	0 ~ 30V	2A	0 ~ 30V	2A	2.2 ~ 5.2V	1 A	8 ~ 15V	1 A
PSM 4/3A	4		3A		3A				
PSM 4/5A	4		5A		5A				

OPERATION CONDITION:

Environmental Condition	Operating altitude <2000m, pollution degree II
Input Voltage	110V _{AC} /220V _{AC} ± 10% at 50Hz
Operating Condition	Temperature 0~40℃
	Relative Humidity ≦ 80%RH
Storage Condition	Temperature -10℃ ~70℃
	Relative Humidity ≦ 80%RH

TECHNICAL SPECIFICATION:

Constant Voltage Mode (CV)	
Line Effect	$1 \times 10^{-4} + 3\text{mV}$ ($\pm 10\%$ of Rated Voltage)
Loading Effect	$1 \times 10^{-4} + 3\text{mV}$ (Output current $\leq 3\text{A}$) $2 \times 10^{-4} + 3\text{mV}$ (Output current $\geq 3\text{A}$)
Noise and Ripple	1m V_{rms} (5Hz – 1 MHz)
Recovery Time	$\leq 100\mu\text{sec}$ (50% of loading effect with min. loading of 0.5A)
Temperature Coefficient	$\leq 300\text{ppm}/^{\circ}\text{C}$
Constant Current Mode (CC)	
Current Range	0 to maximum rated current
Line Effect	$2 \times 10^{-3} + 3\text{mA}$
Loading Effect	$2 \times 10^{-3} + 3\text{mA}$
Noise and Ripple	3m V_{rms}
Tracking Characteristic (in Series)	
Line Effect	$\leq 1 \times 10^{-4} + 3\text{mV}$
Loading Effect	$1 \times 10^{-4} + 3\text{mV}$ (Output current $\leq 3\text{A}$) $2 \times 10^{-4} + 3\text{mV}$ (Output current $\geq 3\text{A}$)
Tracking Characteristic (in Parallel)	
Line Effect	$\leq 1 \times 10^{-4} + 5\text{mV}$
Loading Effect	$\leq 300\text{mV}$